



All Experimenter's Meeting

Jim Morgan

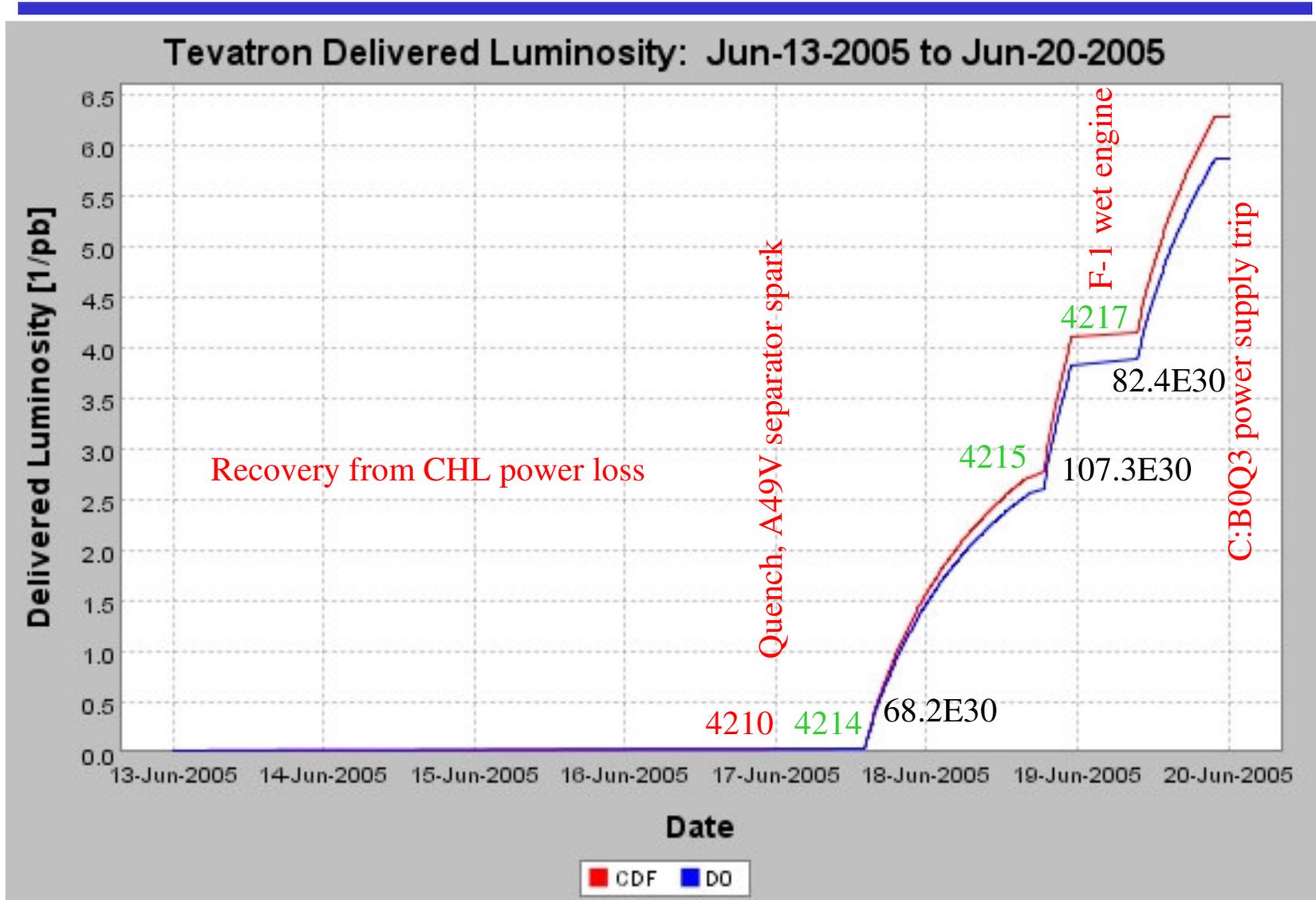
June 20, 2005



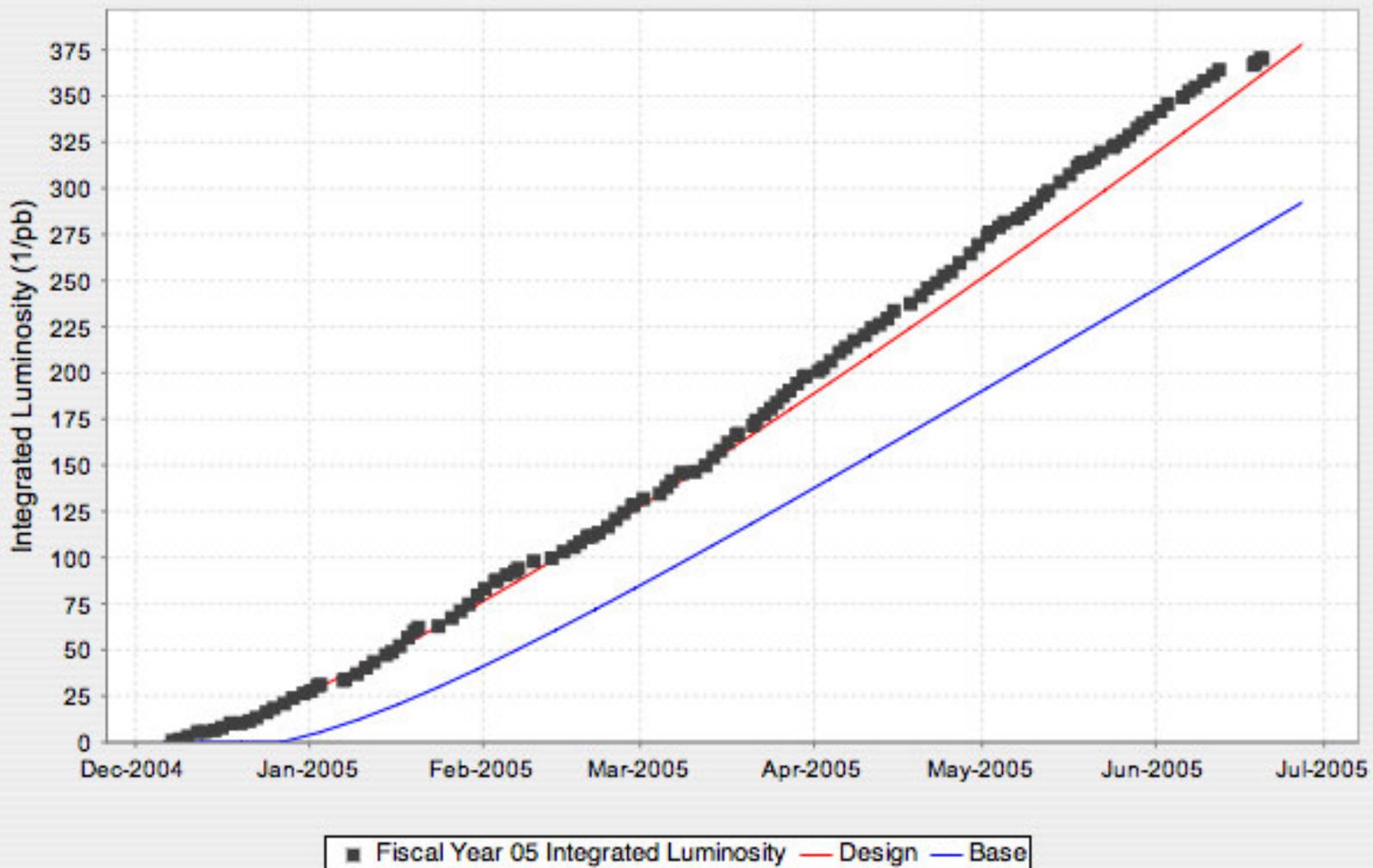
Stores Summary

Store	Initial Lum. (E30)	Deliv'd Lum. (nb ⁻¹)	Termination	Time (hr)	Total Pbars (E10)	Comments (Stack/Stash)
4210	0	0	Loss of store	0	213.6	Combination shot (170.6/43.0E10), Quench, A49V separator spark
4214	68.2	2,707	Planned	26.4	115.1	
4215	107.3	1,414	Loss of store	6.8	244.8	Combination shot (174.3/70.5E10), F-1 wet engine failure
4217	82.4	2,139	Loss of store	12.7	153.2	Combination shot (139.7/13.5E10), C:BOQ3 power supply trip

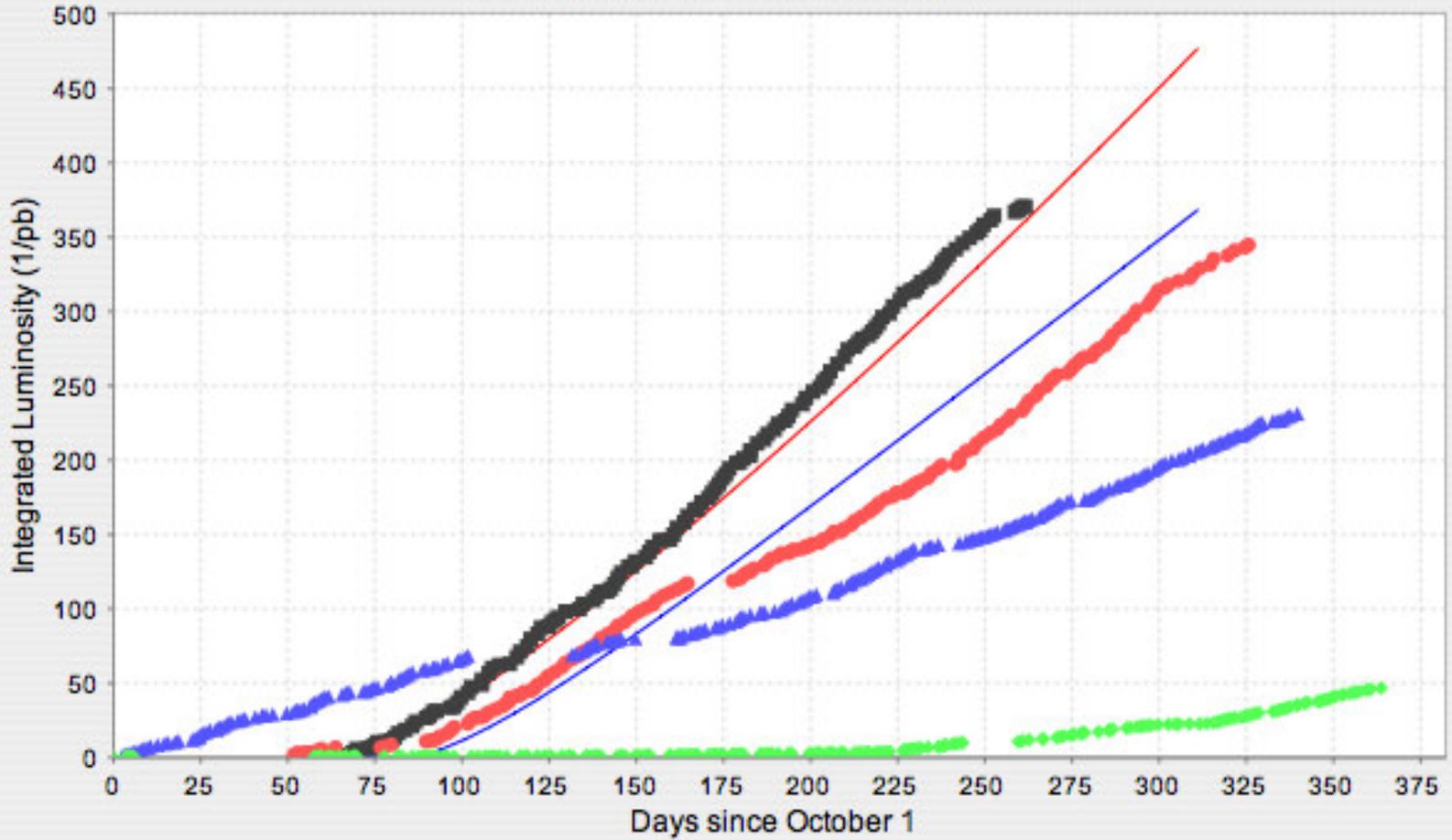
Integrated Luminosity for the week



FY05 Integrated Luminosity

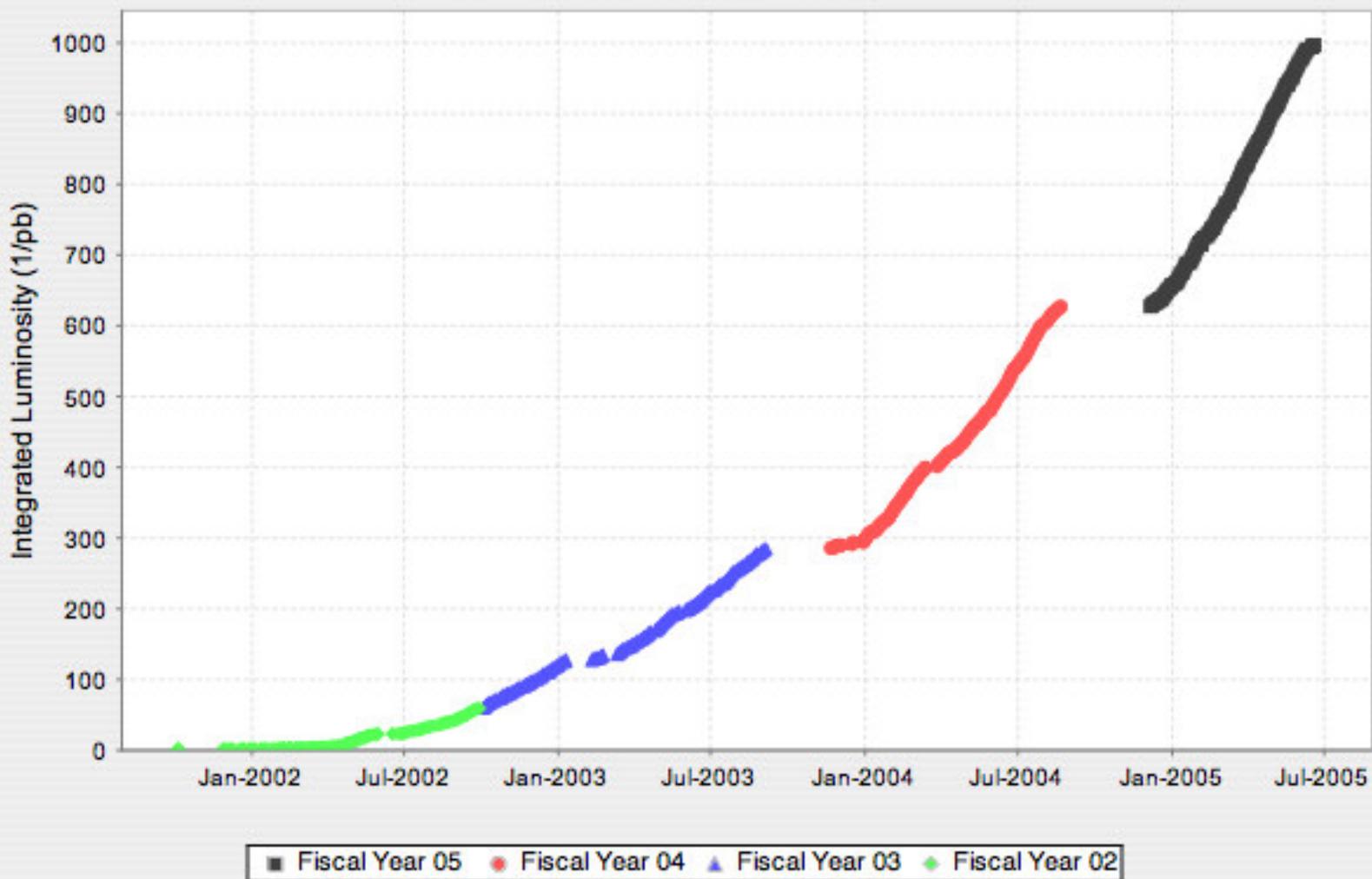


Integrated Luminosity

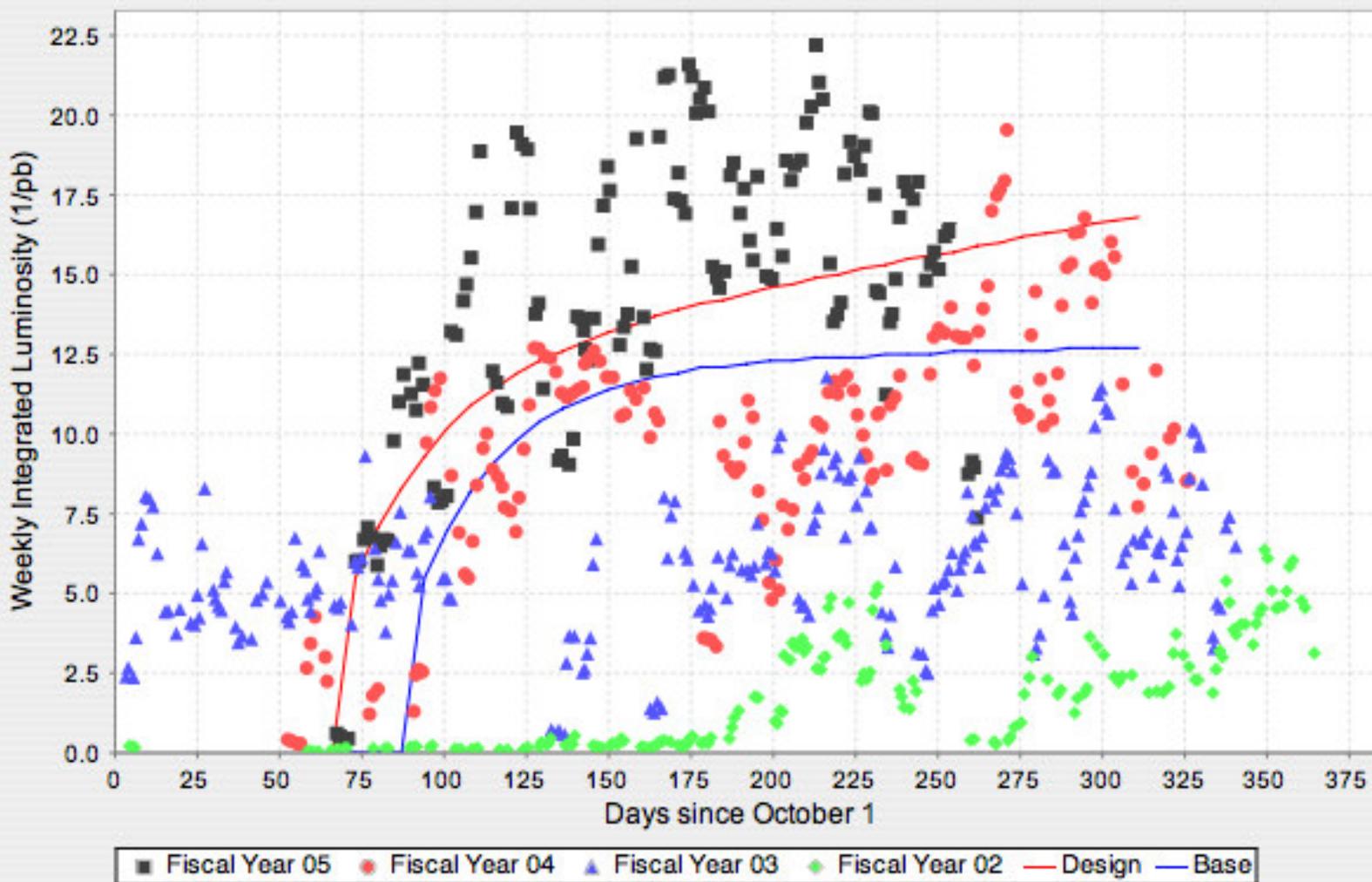


■ Fiscal Year 05 Integrated Luminosity ● Fiscal Year 04 Integrated Luminosity
▲ Fiscal Year 03 Integrated Luminosity ◆ Fiscal Year 02 Integrated Luminosity — Design — Base

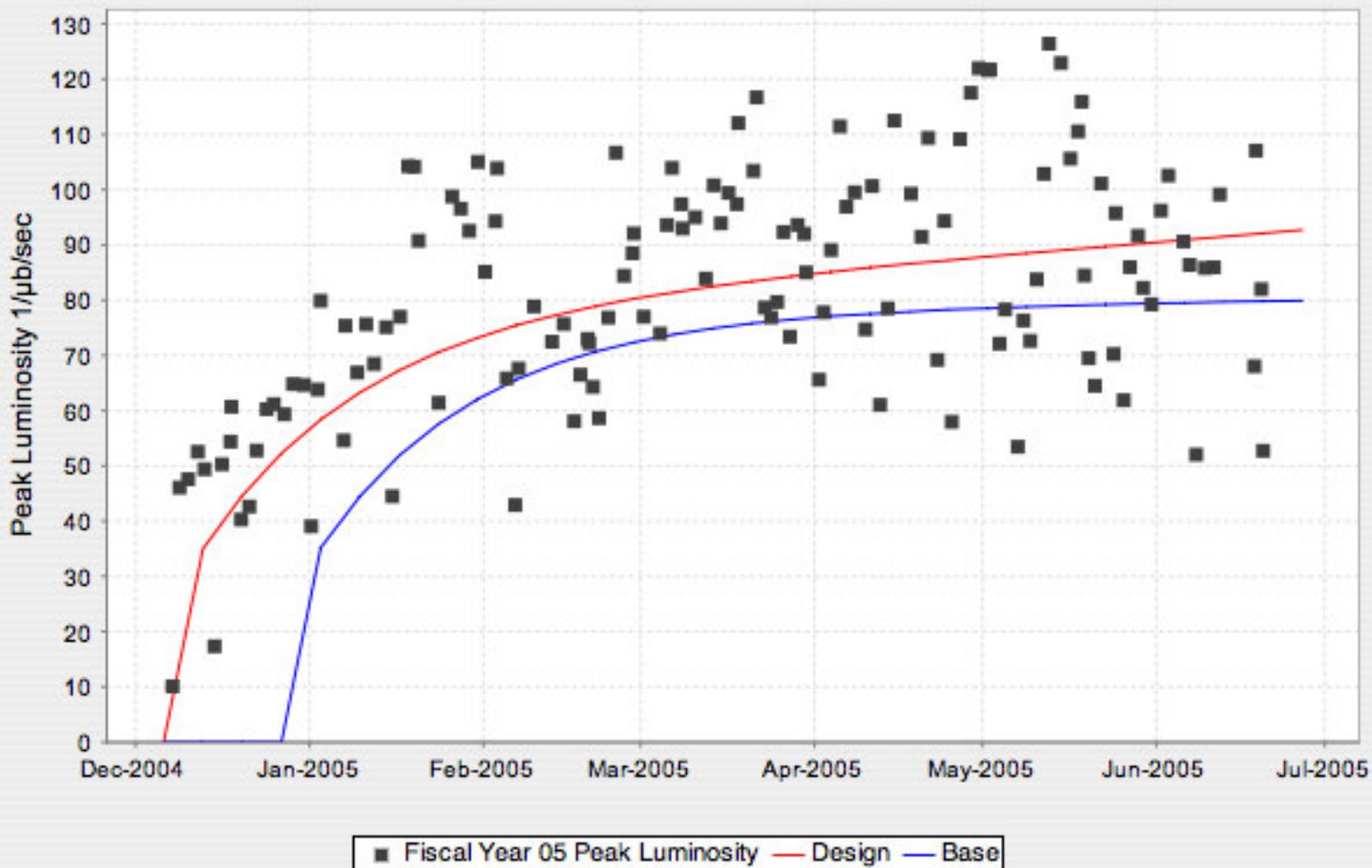
Integrated Luminosity



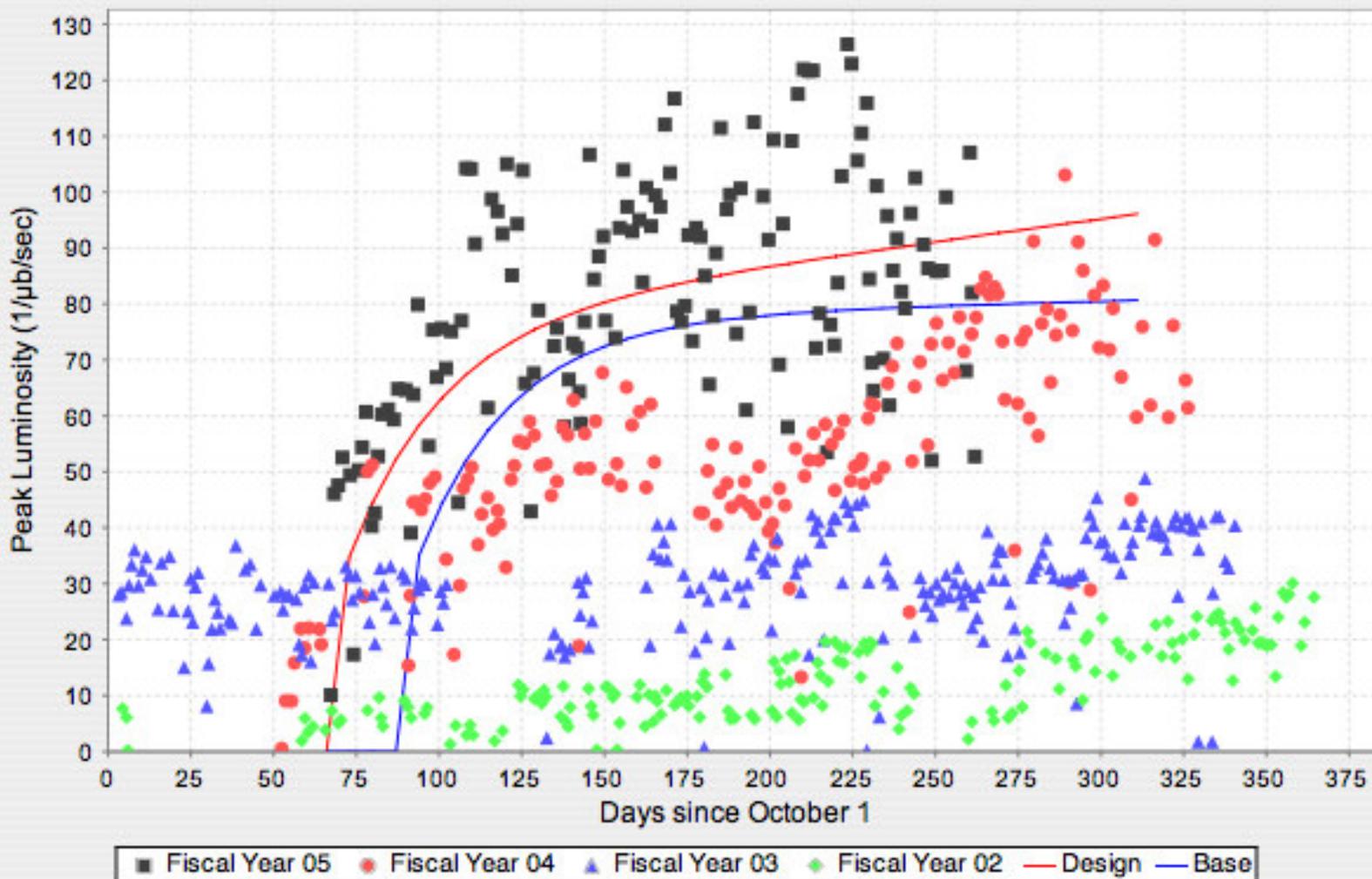
Weekly Integrated Luminosity



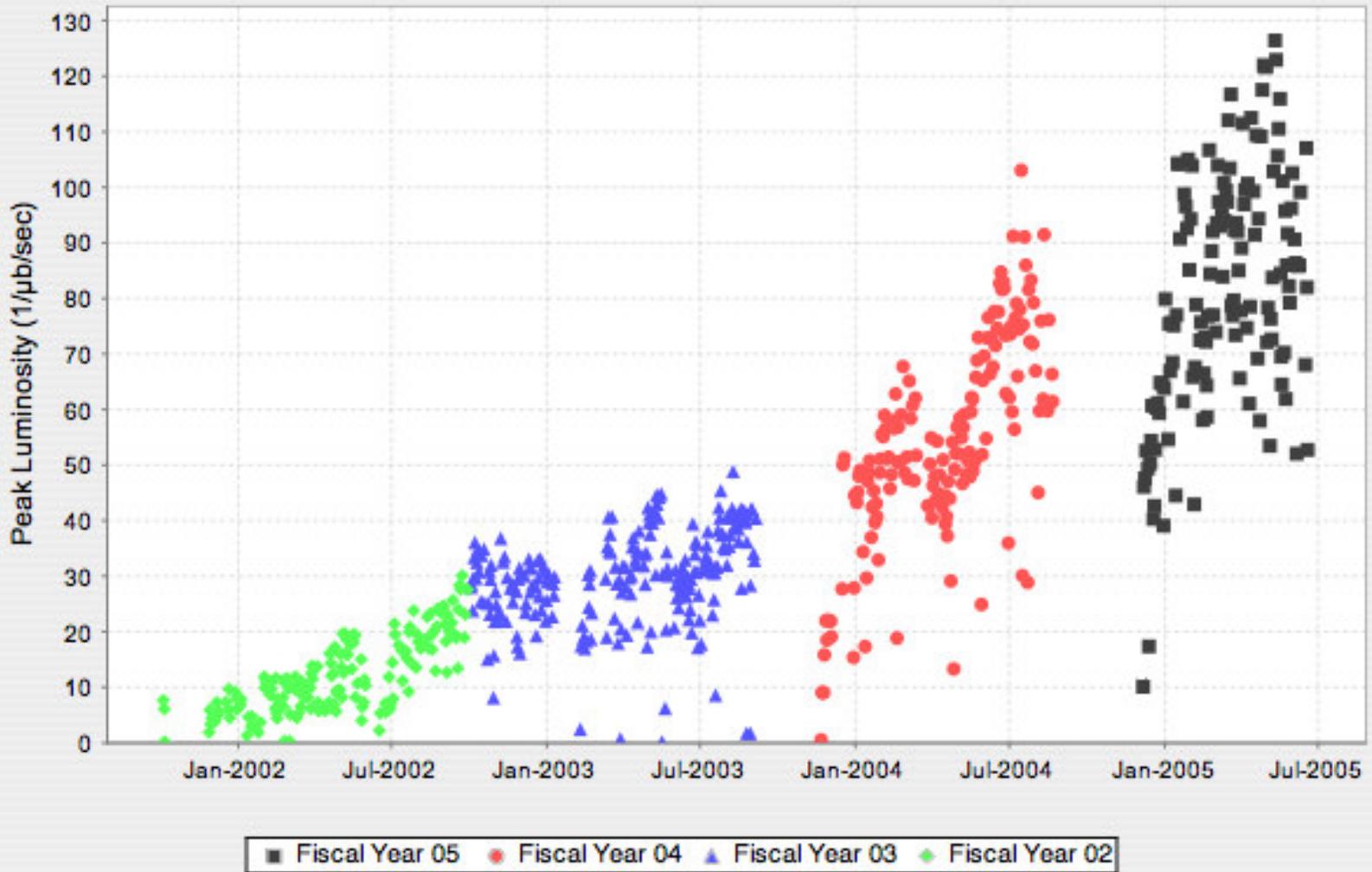
FY05 Peak Luminosity



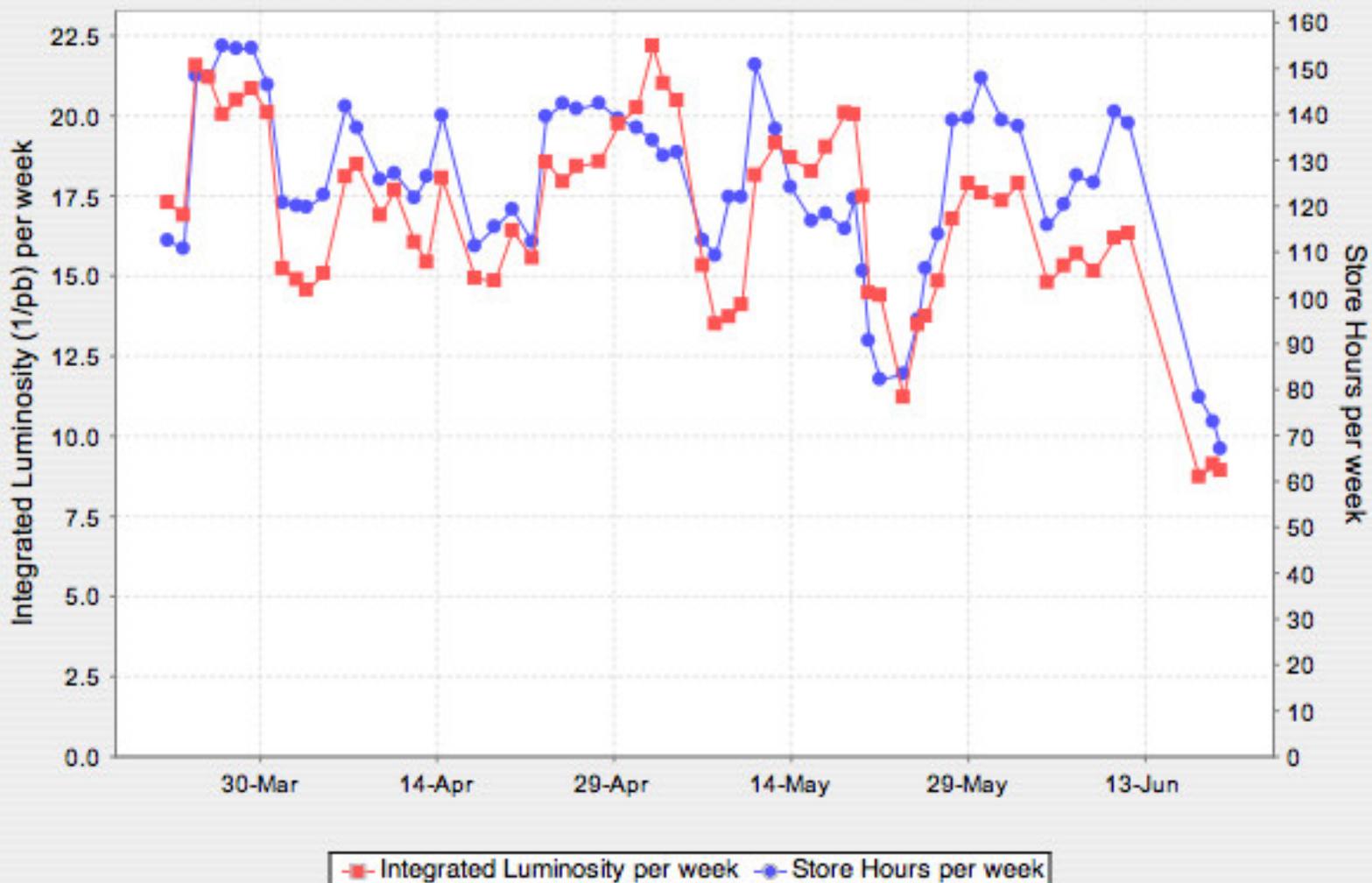
Peak Luminosity



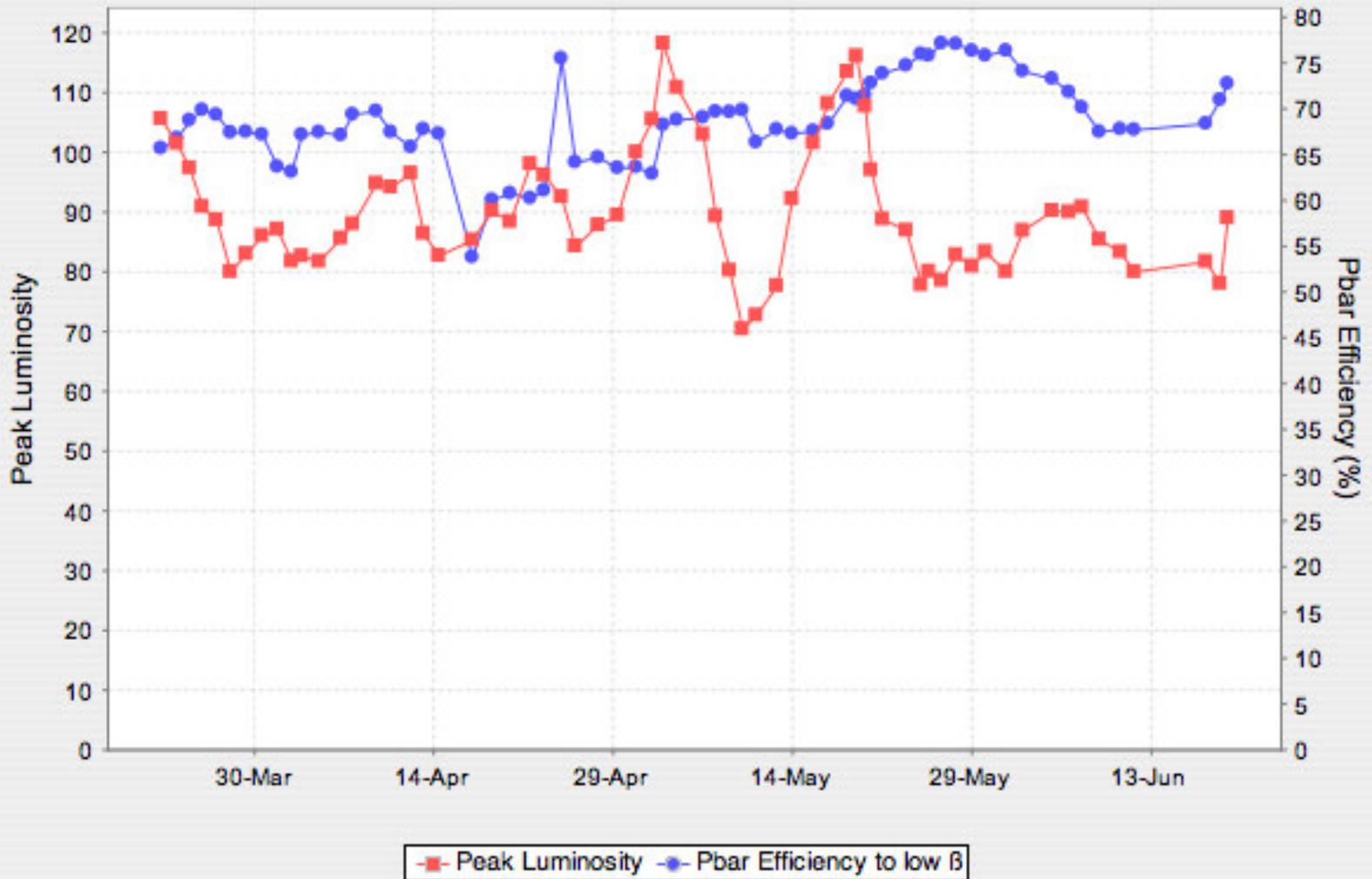
Peak Luminosity



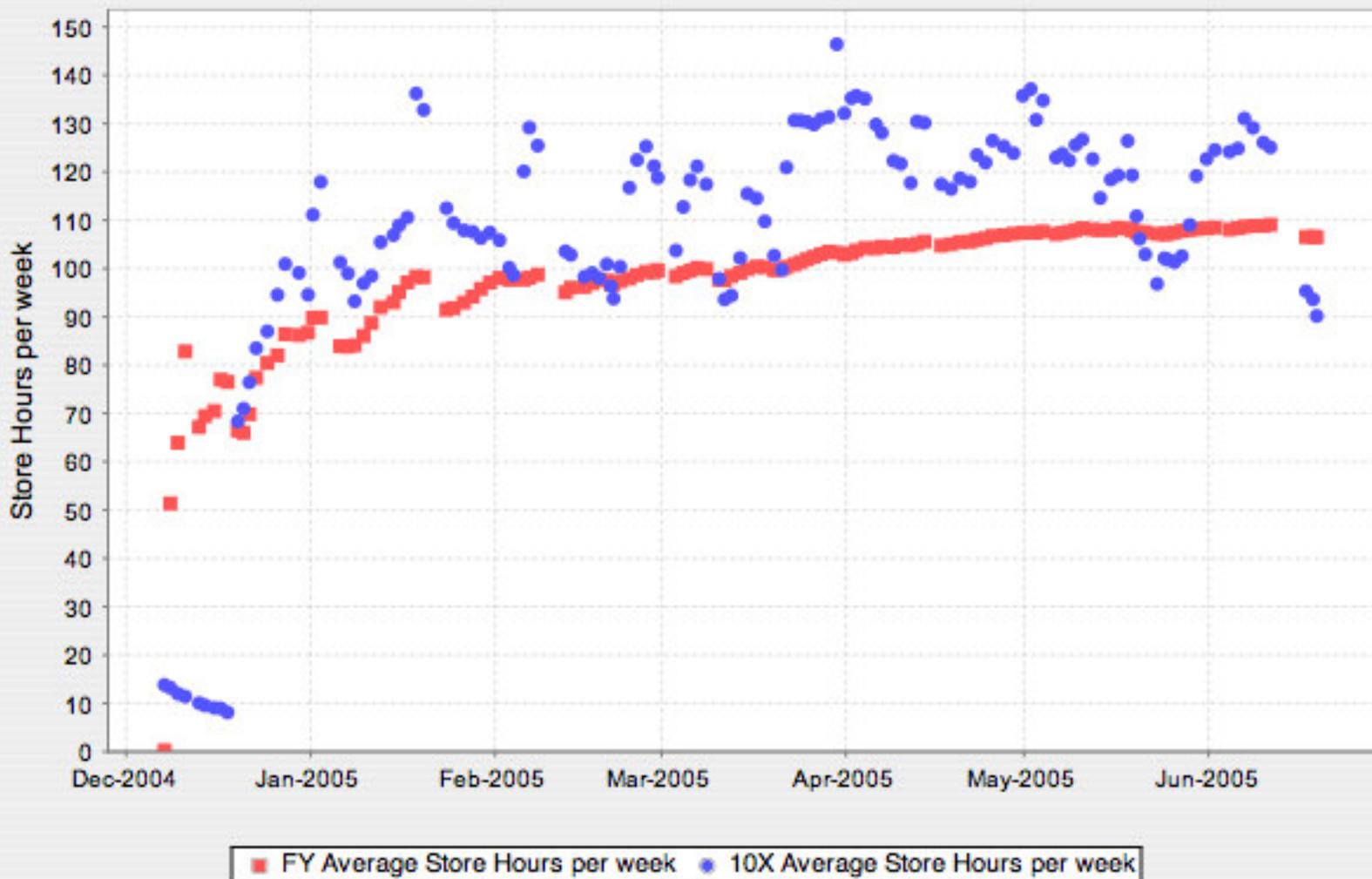
Integrated Luminosity and Store Hours per week



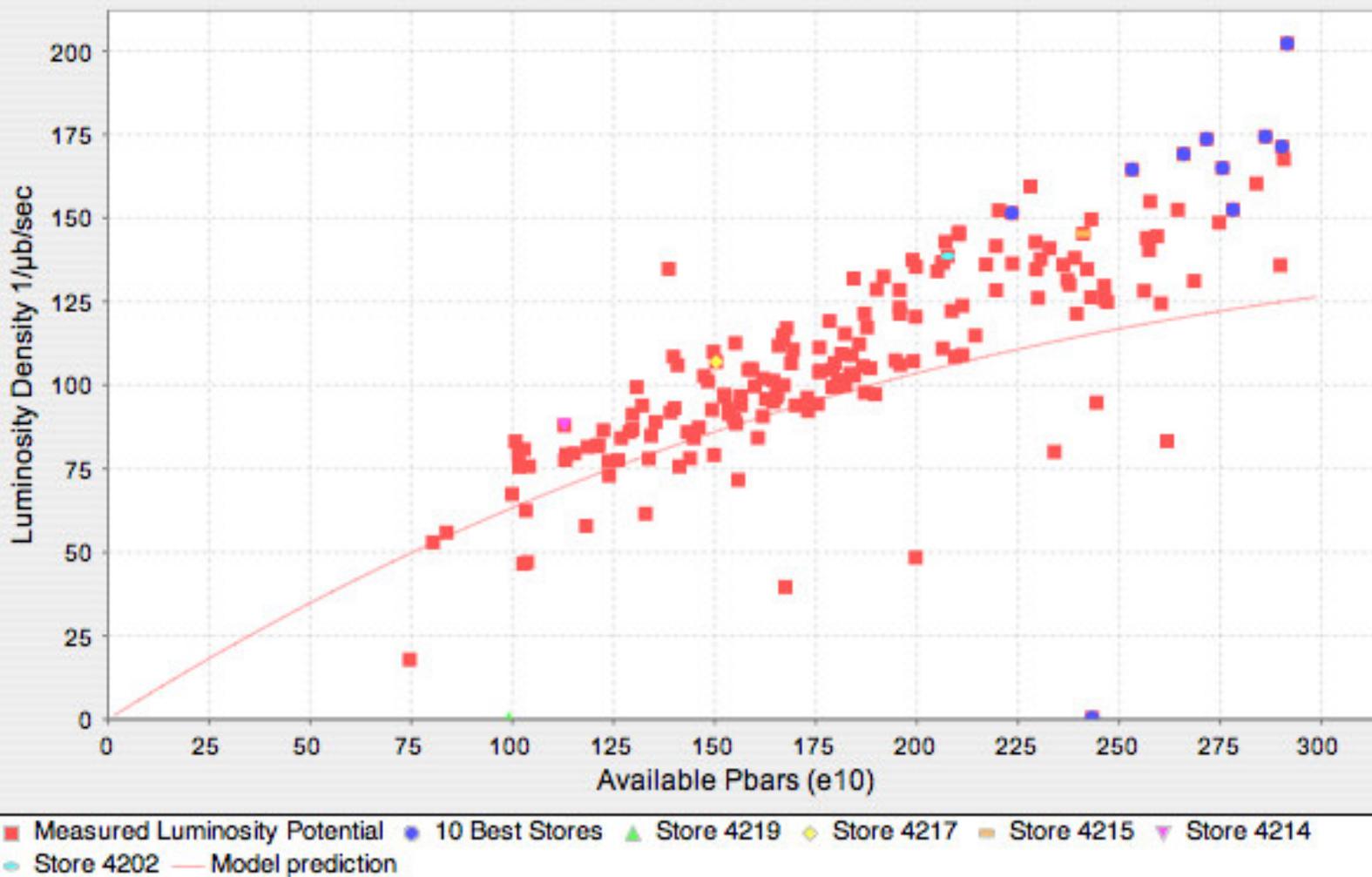
Peak Luminosity and Pbar Efficiency



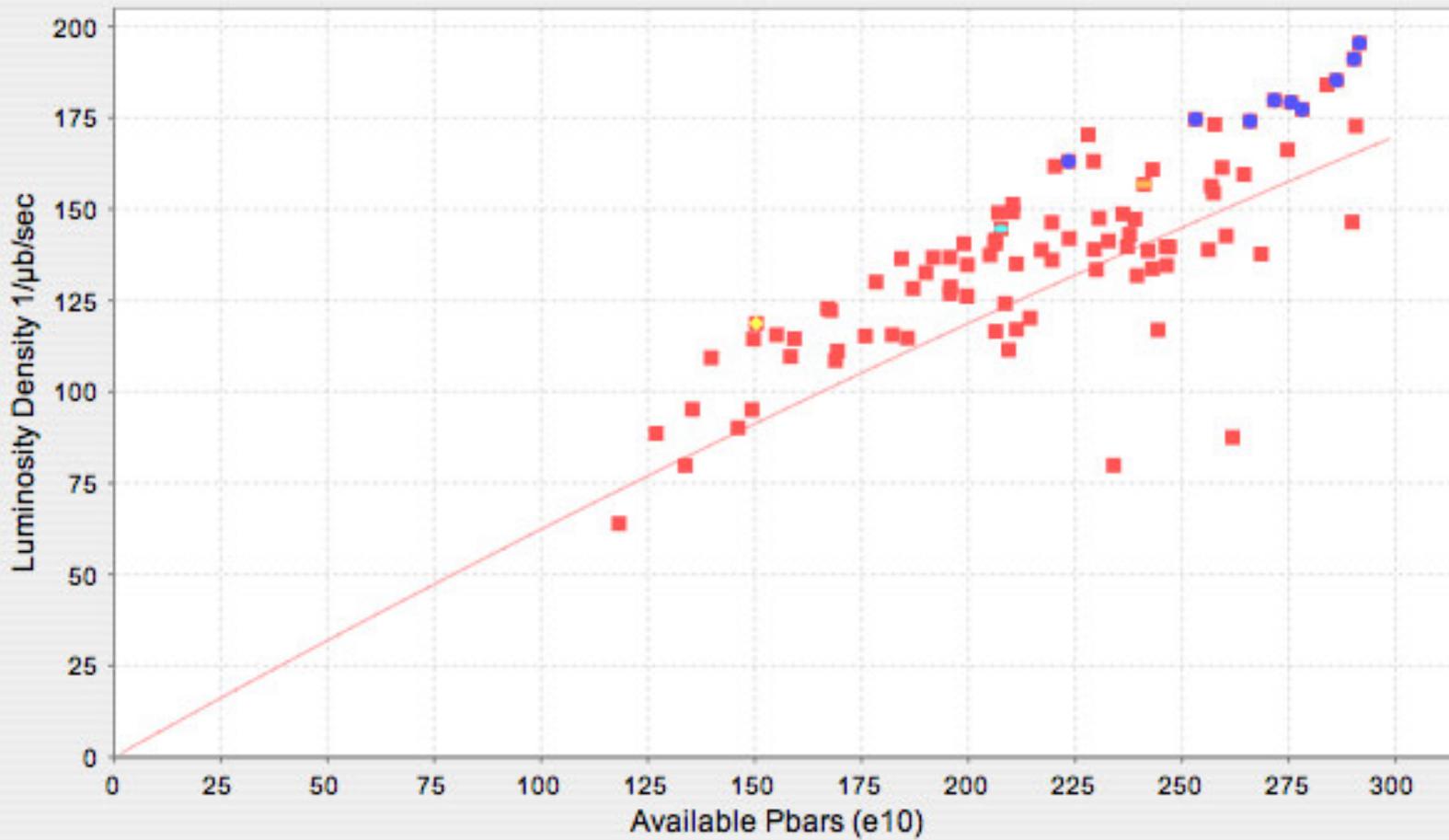
FY Average Store Hours per week



Luminosity Potential



Combined Luminosity Potential



Plan for the week

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- Proton Source
 - Support slip-stacking and work on cogging
 - Main Injector
 - Slip-stacking studies
 - Reduce bunch length and losses
 - NuMI
 - Reduce losses on mixed-mode cycles MI-8 optics match
 - 120 GeV energy on different cycles
 - 2.5MHz slow acceleration
 - NuMI
 - Increase number of cycles during shot setup
 - Reduce number of spurious permit trips
 - Pbar
 - Stacktail heating
 - Center kicker tanks
 - Debuncher Cooling
 - D/A efficiency
 - 120 GeV optics
 - Debuncher orbits/aperture
 - Recycler
 - Commission ECOOL
 - Tevatron
 - D0 losses during squeeze
 - Orbit motion from CDF low beta quadrupoles
 - Low beta optics
 - Tune tracker
 - High intensity protons
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